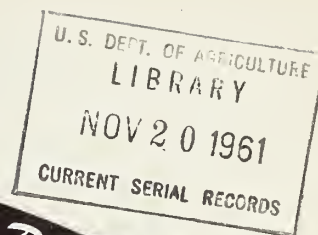


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Dairy-Herd-Improvement Letter ARS-44-107
(Vol. 37, No. 8)
September 1961

DHIA LACTATION AVERAGES

1958-1959

During the operation of the automated sire-proving procedures now in progress, DHIA lactation records with 1958 and 1959 calving dates were selected from the master tape file and compiled as an auxiliary operation. Last year lactation records with 1956 and 1957 calving dates were compiled.

In future operations, 305-day lactation records with current year calving date will be compiled annually.

On the following pages are tabulations of DHIA 305-day lactation records with 1958 and 1959 calving dates, grouped by breed, by State, by month of calving. These tabulations include records received from the various States by the Dairy Cattle Research Branch, Animal Husbandry Research Division, Agricultural Research Service as a part of the National Cooperative Dairy-Herd-Improvement Program. All lactations were standardized to a mature-equivalent, twice-a-day milking basis.

ERRATA: August 1961 DHI Letter, ARS-44-106, Vol. 37, No. 7,
on page 2 the center head should read:
LACTATION RECORDS IN THE DHIA MASTER FILE.

Issued October 1961

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1958

ALL BREEDS

		1958 CALVING YEAR								
STATE	CODE	REGISTERED			NON-REGISTERED			ALL		
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11	5122	11184	465	2988	10636	429	8110	10982	452
NEW HAMPSHIRE	12	4058	10985	453	833	10378	418	4891	10882	447
VERMONT	13	8933	10632	457	4370	9874	411	13303	10383	442
MASSACHUSETTS	14	7629	11117	463	3371	10792	420	11000	11018	450
RHODE ISLAND	15	998	10987	468	28	11414	430	1026	10999	467
CONNECTICUT	16	7292	11299	476	3156	11451	439	10448	11345	465
NEW YORK	21	56016	11839	452	12356	11243	414	68372	11731	445
NEW JERSEY	22	7046	11111	454	1862	11646	436	8908	11224	450
PENNSYLVANIA	23	59425	10709	429	37513	10039	387	96938	10450	413
OHIO	31	20109	10510	430	4713	11450	428	24822	10688	430
INDIANA	32	8541	10664	448	726	11717	451	9267	10747	448
ILLINOIS	33	16106	11383	455	10435	11408	426	26541	11393	444
MICHIGAN	34	16980	11675	451	21193	10793	404	38173	11185	425
WISCONSIN	35	26573	12011	459	11463	11756	438	38036	11934	452
MINNESOTA	41	13112	11553	445	24212	11595	422	37324	11580	430
IOWA	42	12249	11376	447	11623	11211	419	23872	11296	433
MISSOURI	43	4263	10063	426	2654	10150	405	6917	10096	418
NORTH DAKOTA	45	755	11229	427	1136	11544	415	1891	11418	420
SOUTH DAKOTA	46	626	12322	464	409	12312	423	1035	12318	447
NEBRASKA	47	2140	11090	440	859	10779	397	2999	11001	427
KANSAS	48	5181	10409	418	3008	10906	408	8189	10592	414
DELAWARE	50	1317	10323	412	743	9183	353	2060	9912	391
MARYLAND	51	11729	10582	428	7860	10134	391	19589	10402	413
VIRGINIA	52	10003	10633	439	11733	10464	403	21736	10542	420
WEST VIRGINIA	54	2040	9563	385	951	9532	369	2991	9554	380
NORTH CAROLINA	55	6363	9458	394	4863	9430	359	11226	9446	379
SOUTH CAROLINA	56	2308	8557	378	1146	9391	357	3454	8833	371
GEORGIA	57	1973	8971	385	1226	9206	359	3199	9062	375
FLORIDA	58	3155	8119	363	736	8713	384	3891	8231	367
KENTUCKY	61	2772	9508	397	1286	10676	396	4058	9878	397
TENNESSEE	63	1503	7926	391	15	11000	470	1518	7956	392
ALABAMA	64	1675	7116	329	2714	7967	307	4389	7642	315
MISSISSIPPI	65	1390	7453	349	249	8367	361	1639	7592	351
ARKANSAS	71	338	8021	331	35	10197	421	373	8226	385
LOUISIANA	72	827	7284	341	103	8220	340	930	7388	341
OKLAHOMA	73	1319	9480	395	439	11100	417	1758	9884	400
TEXAS	74	3314	8765	408	1417	10751	411	4731	9360	409
MONTANA	81	622	10656	442	629	11617	422	1251	11139	432
IDAHO	82	3642	10778	453	1744	11658	450	5386	11063	452
WYOMING	83	196	12401	450	170	11604	416	366	12031	434
COLORADO	84	1564	10785	430	247	11642	452	1811	10902	433
NEW MEXICO	85	605	9003	423	59	11048	497	664	9184	429
ARIZONA	86	663	10606	425	1454	11856	433	2117	11465	430
UTAH	87	2642	11252	447	5425	11891	441	8067	11681	443
NEVADA	88	255	8999	452	42	13446	448	297	9624	451
WASHINGTON	91	7648	11138	481	7696	11526	464	15344	11332	472
OREGON	92	5380	9616	457	6201	10345	434	11581	10006	445
CALIFORNIA	93	2464	11584	507	702	13050	503	3166	11909	506
HAWAII	95	22	11663	365	2	10340	340	24	11553	363
ALASKA	96	9	13228	513	6	11960	505	15	12721	510
U.S. AVERAGE		360892	10964	441	210801	10813	411	579693	10907	430

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1958

AYRSHIRE

1958 CALVING YEAR

STATE	CODE	REGISTERED			NON-REGISTERED			ALL					
		NO.	RECS.	MILK	FAT	NO.	RECS.	MILK	FAT	NO.	RECS.	MILK	FAT
MAINE	11	410	9822	397		54	9344	378		464	9766	395	
NEW HAMPSHIRE	12	457	9934	407		30	8673	363		487	9857	404	
VERMONT	13	1232	10028	410		199	8842	355		1431	9863	403	
MASSACHUSETTS	14	879	10163	423		122	8610	356		1001	9974	414	
RHOEE ISLAND	15	208	10604	436		2	10830	506		210	10606	437	
CONNECTICUT	16	765	10078	415		64	8598	350		829	9964	410	
NEW YORK	21	3507	9810	399		194	9333	368		3701	9785	397	
NEW JERSEY	22	63	10307	433		4	9055	374		67	10233	430	
PENNSYLVANIA	23	2768	9080	378		563	7990	330		3331	8895	370	
OHIO	31	1025	9738	394		27	9680	390		1052	9737	394	
INOIANA	32	318	9207	365						318	9207	365	
ILLINOIS	33	362	8641	359		18	10331	396		380	8721	361	
MICHIGAN	34	257	10086	415		79	8043	323		336	9606	393	
WISCONSIN	35	375	9340	381		13	10208	395		388	9369	381	
MINNESOTA	41	445	9290	374		92	9503	367		537	9327	372	
IOWA	42	453	9357	375		56	9285	371		509	9349	375	
MISSOURI	43	12	8487	348		2	12420	534		14	9049	374	
NORTH DAKOTA	45	1	6210	264						1	6210	264	
SOUTH DAKOTA	46	36	10449	428						36	10449	428	
NEBRASKA	47	11	7320	321		13	7864	322		24	7615	321	
KANSAS	48	815	9063	373		68	8537	354		883	9022	372	
DELAWARE	50	165	9203	365		13	7302	277		178	9064	358	
MARYLAND	51	841	9523	394		111	8565	344		952	9411	388	
VIRGINIA	52	161	7915	317		48	8645	347		209	8083	324	
WEST VIRGINIA	54	115	8857	362		23	8312	347		138	8766	360	
NORTH CAROLINA	55	258	8506	340		61	6982	285		319	8215	329	
SOUTH CAROLINA	56	82	8429	348		1	8490	323		83	8430	348	
GEORGIA	57	43	8156	310		5	10004	419		48	8348	321	
FLORIDA	58	148	8485	329		7	8599	328		155	8490	329	
KENTUCKY	61	9	6900	279		3	6930	279		12	6908	279	
TENNESSEE	63	26	9877	394						26	9877	394	
ALABAMA	64	65	6934	275		34	5977	234		99	6606	261	
MISSISSIPPI	65	27	7808	311		2	9005	398		29	7890	317	
ARKANSAS	71												
LOUISIANA	72	52	7079	273						52	7079	273	
OKLAHOMA	73	166	9409	380						166	9409	380	
TEXAS	74	72	9825	383		2	6995	259		74	9749	380	
MONTANA	81	31	10968	450		1	10610	470		32	10957	450	
IDAHO	82	35	10500	411		7	9081	343		42	10264	400	
WYOMING	83	3	7573	320		1	7770	279		4	7623	310	
COLORADO	84	145	9538	391		1	9850	442		146	9541	392	
NEW MEXICO	85												
ARIZONA	86	49	9503	367		2	7725	278		51	9434	364	
UTAH	87	27	9022	360		6	9345	377		33	9081	363	
NEVADA	88												
WASHINGTON	91	175	9566	394		48	9681	409		223	9591	397	
OREGON	92	47	9577	391		57	8166	331		104	8804	358	
CALIFORNIA	93	218	11256	468		39	7753	302		257	10724	443	
HAWAII	95												
ALASKA	96												
U. S. AVERAGE		17359	9548	391		2072	8522	345		19431	9439	386	

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1958

GUERNSEY

STATE	CODE	1958 CALVING YEAR								
		REGISTERED NO. RECS. MILK	FAT	NON-REGISTERED NO. RECS. MILK	FAT	ALL NO. RECS. MILK	FAT			
MAINE	11	836	8499	416	432	8085	390	1268	8358	407
NEW HAMPSHIRE	12	609	8791	409	85	8351	377	694	8737	405
VERMONT	13	851	8723	417	380	8207	388	1231	8564	408
MASSACHUSETTS	14	1438	8913	431	418	8234	389	1856	8760	421
RHODE ISLAND	15	238	9336	451				238	9336	451
CONNECTICUT	16	2374	9372	454	444	8583	402	2818	9248	446
NEW YORK	21	5558	8829	422	762	8237	382	6320	8758	417
NEW JERSEY	22	1994	8504	417	167	8308	390	2161	8488	414
PENNSYLVANIA	23	13664	8033	389	5135	7233	337	18799	7814	375
OHIO	31	4021	8695	411	340	8385	385	4361	8671	409
INDIANA	32	2882	8907	437	89	9476	447	2971	8924	437
ILLINOIS	33	2749	8829	424	700	8300	382	3449	8721	416
MICHIGAN	34	2346	8857	431	1961	7598	358	4307	8284	398
WISCONSIN	35	3909	8550	413	1521	8506	402	5430	8538	410
MINNESOTA	41	1863	8527	411	2129	8128	385	3992	8314	397
IOWA	42	1554	8767	426	1392	8052	383	2946	8429	406
MISSOURI	43	966	8356	408	377	7665	361	1343	8162	395
NORTH DAKOTA	45	47	8445	397	67	8500	405	114	8477	402
SOUTH DAKOTA	46	53	8897	419	5	9556	411	58	8954	418
NEBRASKA	47	536	8465	412	66	7975	382	602	8411	409
KANSAS	48	588	8150	412	142	8090	393	730	8138	408
DELAWARE	50	403	7812	375	172	7314	330	575	7663	362
MARYLAND	51	2765	8336	405	1133	7570	356	3898	8113	391
VIRGINIA	52	3614	8453	414	1507	7801	365	5121	8261	400
WEST VIRGINIA	54	353	7289	355	139	7386	337	492	7316	350
NORTH CAROLINA	55	2306	7910	382	543	6913	318	2849	7720	370
SOUTH CAROLINA	56	1398	7937	374	288	7156	319	1686	7803	365
GEORGIA	57	386	7566	369	140	7473	335	526	7541	360
FLORIDA	58	1272	7401	335	236	8229	378	1508	7531	342
KENTUCKY	61	460	7599	369	66	7558	350	526	7594	367
TENNESSEE	63	313	8373	405	2	8780	431	315	8376	405
ALABAMA	64	265	7284	332	332	6451	289	597	6821	308
MISSISSIPPI	65	689	7373	344	30	7737	340	719	7388	344
ARKANSAS	71	111	7774	367	5	9904	484	116	7866	372
LOUISIANA	72	300	7138	344	17	7122	330	317	7137	343
OKLAHOMA	73	270	7588	352	23	9389	425	293	7729	357
TEXAS	74	440	8146	380	80	7961	357	520	8117	376
MONTANA	81	88	9207	466	12	8498	388	100	9122	457
IDAHO	82	881	8938	429	166	8725	402	1047	8905	425
WYOMING	83	6	9972	469	5	8056	349	11	9101	415
COLORADO	84	208	8449	410	55	8516	400	263	8463	408
NEW MEXICO	85	341	9057	435	29	9456	465	370	9089	437
ARIZONA	86	262	9188	422	96	8911	407	358	9113	418
UTAH	87	409	8202	395	244	8117	370	653	8170	386
NEVADA	88	134	8026	379				134	8026	379
WASHINGTON	91	2050	9407	468	1233	8947	424	3283	9234	451
OREGON	92	1508	8633	425	1175	8862	413	2683	8733	420
CALIFORNIA	93	877	9426	469	84	8445	420	961	9340	465
HAWAII	95									
ALASKA	96	1	10520	509				1	10520	509
U.S. AVERAGE		71186	8479	410	24424	7905	370	95610	8332	400

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1958

HOLSTEIN

1958 CALVING YEAR

STATE	CODE	REGISTERED			NON-REGISTERED			ALL		
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11	2798	13210	501	2102	11661	442	4900	12545	476
NEW HAMPSHIRE	12	2268	12544	475	586	11243	426	2854	12277	465
VERMONT	13	3724	12900	481	2294	11426	422	6018	12338	459
MASSACHUSETTS	14	3775	12932	484	2578	11566	430	6353	12378	462
RHODE ISLAND	15	360	13509	511	26	11459	424	386	13371	505
CONNECTICUT	16	3122	13709	512	2481	12253	451	5603	13064	485
NEW YORK	21	41505	12834	465	10849	11650	418	52354	12589	455
NEW JERSEY	22	4265	12598	469	1630	12096	442	5895	12459	462
PENNSYLVANIA	23	39275	11996	448	29971	10725	398	69246	11446	426
OHIO	31	9130	12572	448	3855	12122	433	12985	12439	444
INDIANA	32	3672	13121	479	592	12366	458	4264	13016	477
ILLINOIS	33	9833	12834	479	9242	11750	430	19075	12309	455
MICHIGAN	34	11795	12876	463	17801	11372	411	29596	11971	432
WISCONSIN	35	19610	13048	473	9504	12429	445	29114	12846	464
MINNESOTA	41	8640	12890	463	21090	12080	427	29730	12315	437
IOWA	42	7034	12958	469	9342	11910	427	16376	12360	445
MISSOURI	43	1917	12126	444	1850	11167	418	3767	11655	431
NORTH DAKOTA	45	457	12381	447	1043	11797	417	1500	11975	426
SOUTH DAKOTA	46	410	13290	467	377	12444	424	787	12884	447
NEBRASKA	47	1263	12782	464	744	11168	400	2007	12184	441
KANSAS	48	2815	12071	443	2688	11220	411	5503	11655	428
DELAWARE	50	678	12286	443	525	9901	358	1203	11245	406
MARYLAND	51	6894	12117	450	6406	10678	398	13300	11424	425
VIRGINIA	52	5216	12619	463	9852	10961	409	15068	11535	428
WEST VIRGINIA	54	1121	11254	405	695	10305	377	1816	10891	394
NORTH CAROLINA	55	2765	11564	415	3914	10023	369	6679	10661	388
SOUTH CAROLINA	56	494	10571	381	773	10227	367	1267	10361	373
GEORGIA	57	738	11668	419	823	10063	368	1561	10822	392
FLORIDA	58	436	10838	387	182	10644	392	618	10781	388
KENTUCKY	61	1359	11488	417	1099	11169	401	2458	11345	410
TENNESSEE	63	46	10913	390	8	12738	490	54	11183	405
ALABAMA	64	198	10201	353	1581	9275	329	1779	9378	331
MISSISSIPPI	65	96	11477	414	63	11556	420	159	11509	416
ARKANSAS	71	27	12405	452	22	11105	425	49	11821	440
LOUISIANA	72	100	10845	396	42	10995	392	142	10889	395
OKLAHOMA	73	409	12763	453	372	11624	421	781	12221	438
TEXAS	74	599	12172	439	953	12315	440	1552	12260	440
MONTANA	81	228	13679	482	581	11904	422	809	12405	439
IDAHO	82	1594	13576	487	1355	12542	460	2949	13101	475
WYOMING	83	175	12694	450	162	11759	418	337	12245	434
COLORADO	84	774	12733	453	178	12920	474	952	12768	457
NEW MEXICO	85	75	12421	437	18	15019	556	93	12924	460
ARIZONA	86	284	12626	438	1309	12138	436	1593	12225	436
UTAH	87	1655	13280	483	4720	12448	448	6375	12664	457
NEVADA	88	8	14266	482	42	13446	448	50	13577	453
WASHINGTON	91	3274	13883	506	5327	12717	476	8601	13161	487
OREGON	92	967	13197	475	3199	11932	442	4166	12226	450
CALIFORNIA	93	818	15178	551	510	14546	528	1328	14935	543
HAWAII	95	22	11663	365	2	10340	340	24	11553	363
ALASKA	96	8	13566	514				8	13566	514
U.S. AVERAGE		208726	12647	463	175358	11510	419	384084	12128	443

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1958

JERSEY

1958 CALVING YEAR

STATE	CODE	REGISTERED			NON-REGISTERED			ALL		
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11	987	8459	442	385	8125	416	1372	8365	434
NEW HAMPSHIRE	12	644	8550	458	124	8140	421	768	8484	453
VERMONT	13	2902	8518	456	1411	7902	406	4313	8317	440
MASSACHUSETTS	14	1135	8716	466	219	7826	398	1354	8572	455
RHODE ISLAND	15	176	8605	446				176	8605	446
CONNECTICUT	16	762	8629	456	135	7729	402	897	8494	448
NEW YORK	21	3893	7879	415	445	7700	395	4338	7860	413
NEW JERSEY	22	438	8646	466	41	8269	424	479	8614	462
PENNSYLVANIA	23	3002	7699	408	1613	7090	362	4615	7486	392
OHIO	31	4356	7938	413	396	7870	412	4752	7932	413
INDIANA	32	1211	7776	406	39	7312	355	1250	7762	404
ILLINOIS	33	1385	7713	398	186	7825	406	1571	7727	399
MICHIGAN	34	1609	7867	417	1015	7481	382	2624	7718	404
WISCONSIN	35	992	8058	431	305	7587	393	1297	7947	422
MINNESOTA	41	1031	8008	420	516	7644	397	1547	7881	412
IOWA	42	1196	7813	413	425	7537	384	1621	7741	405
MISSOURI	43	1042	7884	417	378	7759	387	1420	7851	409
NORTH DAKOTA	45	5	8116	396	2	4205	241	7	6999	352
SOUTH DAKOTA	46	19	7743	419				19	7743	419
NEBRASKA	47	94	8161	428	12	8028	417	106	8146	426
KANSAS	48	533	7405	397	56	7017	358	589	7368	393
DELAWARE	50	62	8226	431	25	8838	470	87	8402	442
MARYLAND	51	941	7292	383	145	7127	362	1086	7270	380
VIRGINIA	52	807	8320	430	295	7647	386	1102	8140	418
WEST VIRGINIA	54	397	7219	373	89	7203	364	486	7216	371
NORTH CAROLINA	55	981	7511	383	292	6879	326	1273	7366	370
SOUTH CAROLINA	56	261	7582	390	23	6427	311	284	7488	384
GEORGIA	57	793	7189	367	218	7127	334	1011	7176	360
FLORIDA	58	1264	7822	388	303	7878	382	1567	7833	387
KENTUCKY	61	841	7389	382	102	7555	371	943	7407	381
TENNESSEE	63	1118	7632	387	5	9108	455	1123	7639	388
ALABAMA	64	1135	6543	327	743	5914	270	1878	6294	305
MISSISSIPPI	65	570	6806	344	154	7177	340	724	6885	343
ARKANSAS	71	187	7344	376	5	6826	343	192	7331	375
LOUISIANA	72	375	6479	333	43	5999	295	418	6430	329
OKLAHOMA	73	365	7240	376	40	7149	372	405	7231	375
TEXAS	74	2094	7849	408	370	7379	350	2464	7778	400
MONTANA	81	158	7224	394	33	7828	418	191	7328	398
IDAHO	82	996	8084	429	205	8343	428	1201	8129	429
WYOMING	83				1	7990	449	1	7990	449
COLORADO	84	228	7387	402	10	6661	352	238	7356	400
NEW MEXICO	85	189	7547	395	12	8938	487	201	7630	400
ARIZONA	86	68	8425	427	12	7531	341	80	8291	413
UTAH	87	545	7499	381	433	8035	396	978	7737	388
NEVADA	88	113	9780	537				113	9780	537
WASHINGTON	91	1925	8522	467	1002	8620	455	2927	8556	463
OREGON	92	2576	8770	474	1712	8465	436	4288	8648	459
CALIFORNIA	93	501	9467	511	69	10597	531	570	9604	514
HAWAII	95									
ALASKA	96									
U.S. AVERAGE		46902	7949	418	14044	7693	390	60946	7890	411

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1958

BROWN SWISS

		1958 CALVING YEAR										
STATE	CODE	REGISTERED			NON-REGISTERED			ALL				
		NO.	RECS.	MILK	FAT	NO.	RECS.	MILK	FAT	NO.	RECS.	MILK
MAINE	11	27	11761	476		5	11074	465		32	11654	475
NEW HAMPSHIRE	12	32	9375	385		4	10080	415		36	9453	388
VERMONT	13	184	11031	469		77	10652	445		261	10919	462
MASSACHUSETTS	14	382	10956	462		31	10454	427		413	10919	459
RHODE ISLAND	15	16	10026	388						16	10026	388
CONNECTICUT	16	254	11607	491		30	10400	413		284	11479	483
NEW YORK	21	1395	10810	447		91	9760	397		1486	10746	444
NEW JERSEY	22	286	11071	465		20	10532	424		306	11036	462
PENNSYLVANIA	23	591	10423	435		195	9239	377		786	10129	420
OHIO	31	1413	11067	460		88	10778	448		1501	11050	459
INDIANA	32	389	11002	456		2	13710	583		391	11016	457
ILLINOIS	33	1492	11229	463		255	10477	426		1747	11119	457
MICHIGAN	34	824	11025	440		241	9904	390		1065	10771	429
WISCONSIN	35	1434	11206	452		113	10456	415		1547	11151	449
MINNESOTA	41	853	11120	450		352	10010	397		1205	10796	435
IOWA	42	1644	10919	445		373	10244	410		2017	10794	439
MISSOURI	43	239	10214	418		29	9796	417		268	10169	418
NORTH DAKOTA	45	176	10154	417		10	11504	461		186	10226	420
SOUTH DAKOTA	46	108	11760	492		27	10985	407		135	11605	475
NEBRASKA	47	150	10220	423		21	9499	366		171	10132	416
KANSAS	48	232	10022	417		44	10128	426		276	10039	419
DELAWARE	50	9	9854	438		4	4625	217		13	8245	370
MARYLAND	51	196	9719	406		58	10874	452		254	9983	416
VIRGINIA	52	139	10850	450		21	11949	491		160	10995	456
WEST VIRGINIA	54	54	8089	326		3	10687	436		57	8226	331
NORTH CAROLINA	55	35	8885	361		41	8984	375		76	8938	369
SOUTH CAROLINA	56	73	10428	413		61	10490	432		134	10456	422
GEORGIA	57	13	9025	377		39	8922	391		52	8948	388
FLORIDA	58	35	9511	376		8	10823	454		43	9755	390
KENTUCKY	61	102	9451	380		15	10309	415		117	9561	384
TENNESSEE	63											
ALABAMA	64	12	7680	303		11	9847	405		23	8717	352
MISSISSIPPI	65	8	10951	427						8	10951	427
ARKANSAS	71	6	11502	465		1	8150	352		7	11023	449
LOUISIANA	72											
OKLAHOMA	73	49	11152	442		4	11695	476		53	11193	444
TEXAS	74	71	10188	397		5	10982	423		76	10240	399
MONTANA	81	79	11815	474						79	11815	474
IDAHO	82	57	10833	454		9	10426	453		66	10777	454
WYOMING	83	12	10548	474		1	11710	491		13	10638	475
COLORADO	84	161	11271	460		3	10340	432		164	11254	459
NEW MEXICO	85											
ARIZONA	86					32	11212	429		32	11212	429
UTAH	87	6	10380	403		15	11369	449		21	11087	436
NEVADA	88											
WASHINGTON	91	171	10958	451		26	10214	429		197	10860	448
OREGON	92	188	10976	465		27	11557	497		215	11049	469
CALIFORNIA	93	50	13288	549						50	13288	549
HAWAII	95											
ALASKA	96											
U.S. AVERAGE		13647	10923	449		2392	10178	412		16039	10812	443

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1958

MILKING SHORTHORN

STATE	CODE	1958 CALVING YEAR								
		REGISTERED	MILK	FAT	NON-REGISTERED	MILK	FAT	ALL	MILK	FAT
		NO. RECS.			NO. RECS.			NO. RECS.		
MAINE	11	64	8164	317	8	8441	335	72	8195	319
NEW HAMPSHIRE	12	48	8906	327	4	9190	355	52	8928	330
VERMONT	13	40	10266	397	5	10638	437	45	10307	402
MASSACHUSETTS	14	20	8326	322	3	11047	441	23	8681	338
RHODE ISLAND	15									
CONNECTICUT	16	15	7437	291	2	11075	488	17	7865	314
NEW YORK	21	158	7853	299	15	8911	334	173	7944	302
NEW JERSEY	22									
PENNSYLVANIA	23	125	8413	315	34	8322	340	159	8394	320
OHIO	31	141	8430	319	2	5815	242	143	8393	318
INDIANA	32	69	8830	339	4	7450	303	73	8754	337
ILLINOIS	33	271	8177	307	28	9680	375	299	8318	314
MICHIGAN	34	146	8394	314	23	7080	269	169	8215	308
WISCONSIN	35	246	9129	347	5	10566	431	251	9158	349
MINNESOTA	41	259	8495	322	29	9864	387	288	8633	328
IOWA	42	332	8379	320	33	8473	327	365	8388	321
MISSOURI	43	87	9462	387	15	8959	375	102	9388	386
NORTH DAKOTA	45	59	8822	351	13	8398	322	72	8746	346
SOUTH DAKOTA	46									
NEBRASKA	47	86	7811	303	3	8837	346	89	7845	305
KANSAS	48	198	7578	306	10	7748	308	208	7586	306
DELAWARE	50				4	8025	284	4	8025	284
MARYLAND	51	92	8216	326	7	8559	357	99	8240	329
VIRGINIA	52	66	7462	307	10	11306	437	76	7968	324
WEST VIRGINIA	54				2	6195	262	2	6195	262
NORTH CAROLINA	55	18	5111	200	12	5938	253	30	5442	221
SOUTH CAROLINA	56									
GEORGIA	57				1	7680	296	1	7680	296
FLORIDA	58									
KENTUCKY	61	1	9620	446	1	8760	301	2	9190	374
TENNESSEE	63									
ALABAMA	64				5	7030	292	5	7030	292
MISSISSIPPI	65									
ARKANSAS	71	7	10147	389	2	10400	445	9	10203	401
LOUISIANA	72				1	5860	251	1	5860	251
OKLAHOMA	73	60	8064	303				60	8064	303
TEXAS	74	38	8070	293	6	9073	370	44	8207	303
MONTANA	81	38	7480	281	2	10005	409	40	7606	288
IDAHO	82	79	8869	327	2	10130	389	81	8900	328
WYOMING	83									
COLORADO	84	48	7783	290				48	7783	290
NEW MEXICO	85									
ARIZONA	86				3	10160	366	3	10160	366
UTAH	87				7	9516	423	7	9516	423
NEVADA	88									
WASHINGTON	91	53	9279	351	59	9224	394	112	9250	374
OREGON	92	94	9062	339	27	9619	406	121	9186	354
CALIFORNIA	93									
HAWAII	95									
ALASKA	96									
U.S. AVERAGE		2958	8393	321	387	8872	358	3345	8449	325

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1958

RED DANE

1958 CALVING YEAR										
STATE	CODE	REGISTERED			NON-REGISTERED			ALL		
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11				1	6340	315	1	6340	315
NEW HAMPSHIRE	12									
VERMONT	13				4	8838	427	4	8838	427
MASSACHUSETTS	14									
RHODE ISLAND	15									
CONNECTICUT	16									
NEW YORK	21									
NEW JERSEY	22									
PENNSYLVANIA	23				2	6430	214	2	6430	214
OHIO	31				4	8798	339	4	8798	339
INDIANA	32									
ILLINOIS	33				1	9880	440	1	9880	440
MICHIGAN	34	3	10497	392	71	8614	329	74	8690	332
WISCONSIN	35				2	7700	329	2	7700	329
MINNESOTA	41									
IOWA	42									
MISSOURI	43				2	2590	105	2	2590	105
NORTH DAKOTA	45									
SOUTH DAKOTA	46									
NEBRASKA	47									
KANSAS	48									
DELAWARE	50									
MARYLAND	51									
VIRGINIA	52									
WEST VIRGINIA	54									
NORTH CAROLINA	55									
SOUTH CAROLINA	56									
GEORGIA	57									
FLORIDA	58									
KENTUCKY	61									
TENNESSEE	63									
ALABAMA	64				8	9395	413	8	9395	413
MISSISSIPPI	65									
ARKANSAS	71									
LOUISIANA	72									
OKLAHOMA	73									
TEXAS	74				1	7050	291	1	7050	291
MONTANA	81									
IDAHO	82									
WYOMING	83									
COLORADO	84									
NEW MEXICO	85									
ARIZONA	86									
UTAH	87									
NEVADA	88									
WASHINGTON	91									
OREGON	92				3	8707	368	3	8707	368
CALIFORNIA	93									
HAWAII	95									
ALASKA	96				6	11960	505	6	11960	505
U.S. AVERAGE		3	10497	392	105	8685	345	108	8735	346

1958 CALVING YEAR

STATE	CODE	REGISTERED			NON-REGISTERED			ALL			
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	
MAINE	11				1	12960	489		1	12960	489
NEW HAMPSHIRE	12										
VERMONT	13										
MASSACHUSETTS	14										
RHODE ISLAND	15										
CONNECTICUT	16										
NEW YORK	21										
NEW JERSEY	22										
PENNSYLVANIA	23										
OHIO	31	23	9151	365	1	11220	422		24	9237	368
INDIANA	32										
ILLINOIS	33	14	6920	274	5	9650	381		19	7638	302
MICHIGAN	34				2	8895	350		2	8895	350
WISCONSIN	35	7	8084	325					7	8084	325
MINNESOTA	41	21	7230	287	4	9490	344		25	7592	296
IOWA	42	36	7422	321	2	7785	338		38	7441	322
MISSOURI	43				1	6760	293		1	6760	293
NORTH DAKOTA	45	10	6822	293	1	7740	354		11	6905	299
SOUTH DAKOTA	46										
NEBRASKA	47										
KANSAS	48										
DELAWARE	50										
MARYLAND	51										
VIRGINIA	52										
WEST VIRGINIA	54										
NORTH CAROLINA	55										
SOUTH CAROLINA	56										
GEORGIA	57										
FLORIDA	58										
KENTUCKY	61										
TENNESSEE	63										
ALABAMA	64										
MISSISSIPPI	65										
ARKANSAS	71										
LOUISIANA	72										
OKLAHOMA	73										
TEXAS	74										
MONTANA	81										
IDAHO	82										
WYOMING	83										
COLORADO	84										
NEW MEXICO	85										
ARIZONA	86										
UTAH	87										
NEVADA	88										
WASHINGTON	91				1	14110	700		1	14110	700
OREGON	92				1	9760	400		1	9760	400
CALIFORNIA	93										
HAWAII	95										
ALASKA	96										
U.S. AVERAGE		111	7668	316	19	9585	385		130	7948	326

305-DAY STANDARDIZED LACTATION AVERAGES BY STATE, BY CALVING YEAR, BY BREED, BY CALVING MONTH - 1958

UNITED STATES

1958 CALVING YEAR

CALVING MONTH	AYRSHIRE			GUERNSEY		
	REGISTERED NUMBER	MILK	FAT	REGISTERED NUMBER	MILK	FAT
JANUARY	1500	9850	399	161	9026	362
FEBRUARY	1306	9828	401	161	8680	352
MARCH	1404	9662	392	187	8713	351
APRIL	997	9588	391	1145	9443	384
MAY	813	9301	380	926	9207	375
JUNE	763	9135	372	867	9020	367
JULY	1210	9007	367	1369	8842	361
AUGUST	2007	8967	369	2214	8871	365
SEPTEMBER	2277	9363	386	2545	9268	381
OCTOBER	2134	9781	403	2356	9700	400
NOVEMBER	1621	9997	409	1798	9869	403
DECEMBER	1327	9934	405	1492	9821	400
YEAR AV.	17359	9548	391	2072	8522	345

CALVING MONTH	HOLSTEIN			JERSEY		
	REGISTERED NUMBER	MILK	FAT	REGISTERED NUMBER	MILK	FAT
JANUARY	17414	12840	466	13094	11635	420
FEBRUARY	14115	12777	464	11111	11559	419
MARCH	14399	12737	464	11510	11476	416
APRIL	10706	12650	461	8367	11504	418
MAY	9541	12531	455	7711	11381	413
JUNE	9839	12296	449	8794	11201	409
JULY	14578	12110	444	13139	10997	402
AUGUST	22119	12126	445	18947	11014	404
SEPTEMBER	26783	12501	460	23103	11456	419
OCTOBER	26395	12860	474	23155	11765	429
NOVEMBER	21885	13028	478	18189	11884	433
DECEMBER	20952	13001	474	18238	11871	430
YEAR AV.	208726	12647	463	175358	11510	419

CALVING MONTH	BROWN SWISS			M. SHORTHORN		
	REGISTERED NUMBER	MILK	FAT	REGISTERED NUMBER	MILK	FAT
JANUARY	1238	11040	448	199	8436	321
FEBRUARY	1085	11272	459	222	8847	336
MARCH	1176	11034	448	243	8472	321
APRIL	953	10965	448	194	8722	330
MAY	783	10799	438	145	8471	321
JUNE	773	10577	435	148	8518	325
JULY	1073	10326	426	227	8221	313
AUGUST	1155	10294	429	283	7790	298
SEPTEMBER	1323	10593	442	291	7908	303
OCTOBER	1475	11178	465	324	8257	321
NOVEMBER	1314	11312	466	318	8538	331
DECEMBER	1299	11374	464	264	8862	341
YEAR AV.	13647	10923	449	2392	8178	412

CALVING MONTH	RED DANE			RED POLL		
	REGISTERED NUMBER	MILK	FAT	REGISTERED NUMBER	MILK	FAT
JANUARY	8	7421	304	8	8046	320
FEBRUARY	3	11640	458	11	7826	318
MARCH	7	9069	358	10	8035	331
APRIL	2	7870	327	9	7502	300
MAY	5	7110	277	4	8033	315
JUNE	7	8220	330	8	7799	317
JULY	9	8232	342	13	7114	282
AUGUST	19	8498	336	7	8120	346
SEPTEMBER	18	9008	351	9	7396	317
OCTOBER	7	9844	415	13	7956	343
NOVEMBER	13	8543	337	12	7050	301
DECEMBER	7	9659	358	7	7774	308
YEAR AV.	3	10497	392	105	8685	345

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

ALL BREEDS

STATE	CODE	1959 CALVING YEAR					
		REGISTERED NO. RECS. MILK	FAT	NON-REGISTERED NO. RECS. MILK	FAT	ALL NO. RECS. MILK	FAT
MAINE	11	4927 10937	460	5344 10470	418	10271 10694	438
NEW HAMPSHIRE	12	4003 11124	457	1405 10458	419	5408 10951	447
VERMONT	13	9202 10638	454	7865 9764	395	17067 10235	427
MASSACHUSETTS	14	7674 11045	457	4880 10604	412	12554 10874	440
RHODE ISLAND	15	1050 10742	438	186 10703	407	1236 10736	433
CONNECTICUT	16	7247 11192	472	4410 10801	412	11657 11044	449
NEW YORK	21	54150 11827	451	23048 10968	402	77198 11570	437
NEW JERSEY	22	7256 11350	465	3196 11069	414	10452 11264	450
PENNSYLVANIA	23	58369 11080	433	43652 10474	402	102021 10821	420
OHIO	31	18884 10554	430	8070 11222	418	26954 10754	426
INDIANA	32	7019 10878	458	893 11892	456	7912 10993	458
ILLINOIS	33	15491 11451	457	11203 11317	426	26694 11394	444
MICHIGAN	34	17226 11615	450	22442 11189	419	39668 11374	432
WISCONSIN	35	17202 10920	437	17791 11631	435	34993 11281	436
MINNESOTA	41	12491 11606	449	28132 11702	427	40623 11673	434
IOWA	42	11844 11329	445	14024 11069	414	25868 11188	428
MISSOURI	43	3941 10333	438	2713 10807	423	6654 10526	432
NORTH DAKOTA	45	919 11070	427	1724 10742	398	2643 10856	408
SOUTH DAKOTA	46	699 12050	458	713 11542	401	1412 11794	429
NEBRASKA	47	2062 11144	452	853 11203	413	2915 11162	441
KANSAS	48	5388 10559	428	3971 11075	418	9359 10778	423
DELAWARE	50	1470 10334	415	1183 9152	355	2653 9807	389
MARYLAND	51	11500 10683	433	7600 10159	388	19100 10474	415
VIRGINIA	52	10643 10859	447	14694 10769	412	25337 10806	427
WEST VIRGINIA	54	2054 9632	387	1013 9693	373	3067 9653	382
NORTH CAROLINA	55	7038 9543	395	8658 9441	357	15696 9487	374
SOUTH CAROLINA	56	2819 8567	373	2663 8559	327	5482 8563	350
GEORGIA	57	2265 9409	396	2020 8951	350	4285 9193	374
FLORIDA	58	2785 8187	366	971 8769	385	3756 8337	371
KENTUCKY	61	2873 9704	403	1850 10460	393	4723 10000	399
TENNESSEE	63	1262 7857	391	10 7681	346	1272 7856	391
ALABAMA	64	1818 7395	339	5187 8000	306	7005 7843	314
MISSISSIPPI	65	1343 7450	345	766 7922	329	2109 7621	339
ARKANSAS	71	501 7280	315	535 7847	309	1036 7573	312
LOUISIANA	72	641 7446	350	44 8933	367	685 7542	351
OKLAHOMA	73	1324 9377	395	476 11033	417	1800 9815	401
TEXAS	74	3292 9034	406	3078 10681	397	6370 9830	401
MONTANA	81	616 11094	455	672 11866	433	1288 11497	443
IDAHO	82	3348 11026	463	2054 12211	470	5402 11477	466
WYOMING	83	174 13329	470	113 11887	411	287 12761	447
COLORADO	84	1647 11385	444	309 11972	451	1956 11478	445
NEW MEXICO	85	590 9383	439	105 12188	490	695 9807	447
ARIZONA	86	696 11756	459	1699 12468	455	2395 12261	456
UTAH	87	2647 11741	460	5744 12262	452	8391 12097	455
NEVADA	88	110 9987	519	50 12973	451	160 10920	498
WASHINGTON	91	7067 11192	483	7666 11981	474	14733 11603	478
OREGON	92	4897 9590	462	6383 10571	439	11280 10145	449
CALIFORNIA	93	2254 11963	514	734 13675	532	2988 12384	518
HAWAII	95	32 11075	373	3 11970	405	35 11152	376
ALASKA	96	10 14464	516	7 13253	519	17 13965	517
U.S. AVERAGE		344760 10985	441	282802 10864	411	627562 10930	428

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

AYRSHIRE

1959 CALVING YEAR

STATE	CODE	REGISTERED			NON-REGISTERED			ALL		
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11	386	9811	400	101	8538	347	487	9547	389
NEW HAMPSHIRE	12	468	9715	398	41	9534	381	509	9700	397
VERMONT	13	1130	10024	406	298	8686	347	1428	9745	394
MASSACHUSETTS	14	759	10103	418	153	9089	376	912	9933	411
RHODE ISLAND	15	230	9781	395	15	8346	337	245	9693	391
CONNECTICUT	16	704	9466	387	109	8107	330	813	9284	379
NEW YORK	21	2950	9769	394	326	9016	355	3276	9694	390
NEW JERSEY	22	35	9683	394	5	10380	405	40	9771	395
PENNSYLVANIA	23	1707	8579	350	569	8081	331	2276	8454	345
OHIO	31	467	9467	377	64	9663	374	531	9490	376
INDIANA	32	144	8992	361	1	9440	352	145	8995	361
ILLINOIS	33	257	9362	392	24	9273	366	281	9354	389
MICHIGAN	34	172	10703	444	50	9268	368	222	10380	427
WISCONSIN	35	296	9163	376	19	10560	416	315	9247	378
MINNESOTA	41	447	9212	372	79	9620	374	526	9273	372
IOWA	42	482	9436	381	73	8633	346	555	9330	377
MISSOURI	43	14	10506	429	8	9200	362	22	10031	405
NORTH DAKOTA	45	3	3830	152				3	3830	152
SOUTH DAKOTA	46	33	11306	461	1	8970	347	34	11237	458
NEBRASKA	47	10	7129	304	15	7658	311	25	7446	308
KANSAS	48	829	9304	385	91	8709	363	920	9245	383
DELAWARE	50	212	8920	357	41	7881	315	253	8751	351
MARYLAND	51	761	9576	393	94	8877	356	855	9499	389
VIRGINIA	52	200	8344	340	76	8810	360	276	8473	346
WEST VIRGINIA	54	135	8486	342	15	7321	296	150	8370	337
NORTH CAROLINA	55	305	8936	355	86	7154	284	391	8544	339
SOUTH CAROLINA	56				2	6755	218	2	6755	218
GEORGIA	57	22	9475	359	6	9042	359	28	9382	359
FLORIDA	58	41	8802	338	4	10545	455	45	8957	348
KENTUCKY	61	14	8031	316	1	12860	442	15	8353	325
TENNESSEE	63									
ALABAMA	64	73	7318	278	45	6752	257	118	7102	270
MISSISSIPPI	65	34	6851	271	4	6553	263	38	6819	270
ARKANSAS	71	5	7358	301	2	6925	274	7	7234	293
LOUISIANA	72	1	2180	75				1	2180	75
OKLAHOMA	73	83	9585	385				83	9585	385
TEXAS	74	51	8653	332	5	8858	376	56	8672	336
MONTANA	81	34	11371	460	1	10340	432	35	11341	459
IDAHO	82	47	10343	415	1	7390	319	48	10281	413
WYOMING	83	4	8695	338				4	8695	338
COLORADO	84	81	10254	423				81	10254	423
NEW MEXICO	85									
ARIZONA	86	7	8887	338	4	8590	301	11	8779	324
UTAH	87	47	8485	333	8	10403	386	55	8764	341
NEVADA	88									
WASHINGTON	91	166	10126	410	67	9418	395	233	9922	406
OREGON	92	40	9980	400	38	10753	432	78	10356	416
CALIFORNIA	93	1	4710	180				1	4710	180
HAWAII	95									
ALASKA	96									
U.S. AVERAGE		13887	9464	385	2542	8640	348	16429	9336	379

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

GUERNSEY

		1959 CALVING YEAR								
STATE	CODE	REGISTERED			NON-REGISTERED			ALL		
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11	886	8694	426	739	7999	375	1625	8378	403
NH HAMPSHIRE	12	628	8844	414	142	7841	364	770	8659	405
VERMONT	13	852	8735	417	545	7896	365	1397	8408	397
MASSACHUSETTS	14	1506	8816	425	590	8057	379	2096	8602	412
RHODE ISLAND	15	186	9424	451	5	8700	381	191	9405	449
CONNECTICUT	16	2496	9395	456	424	8301	382	2920	9236	445
NEW YORK	21	5696	8815	423	1221	8047	373	6917	8679	414
NEW JERSEY	22	2219	8890	435	275	7884	369	2494	8779	428
PENNSYLVANIA	23	9675	7945	380	5291	7520	348	14966	7795	369
OHIO	31	4201	8723	416	445	8356	379	4646	8688	412
INDIANA	32	2386	9132	450	93	9013	426	2479	9128	449
ILLINOIS	33	2548	8937	430	664	8219	380	3212	8789	420
MICHIGAN	34	2520	8801	429	1887	8053	384	4407	8481	410
WISCONSIN	35	4254	8530	411	2113	8360	396	6367	8473	406
MINNESOTA	41	1770	8468	410	2212	8094	386	3982	8260	397
IOWA	42	1439	8620	419	1369	8224	388	2808	8427	404
MISSOURI	43	975	8669	424	282	8152	383	1257	8553	415
NORTH DAKOTA	45	92	8481	409	131	8124	382	223	8271	393
SOUTH DAKOTA	46	78	8612	409	30	8045	367	108	8455	397
NEBRASKA	47	589	8745	427	82	8205	395	671	8679	423
KANSAS	48	622	8198	415	139	7714	374	761	8110	407
DELAWARE	50	457	7872	375	264	7013	313	721	7557	352
MARYLAND	51	2708	8468	414	857	7706	358	3565	8285	401
VIRGINIA	52	3749	8648	422	1737	7849	371	5486	8395	406
WEST VIRGINIA	54	393	7498	363	147	7756	358	540	7568	361
NORTH CAROLINA	55	2143	8115	392	940	6764	309	3083	7703	367
SOUTH CAROLINA	56	1781	7828	366	655	6893	301	2436	7577	348
GEORGIA	57	410	7826	382	372	6714	308	782	7297	347
FLORIDA	58	1233	7377	331	283	8210	377	1516	7533	340
KENTUCKY	61	459	7748	378	83	7505	348	542	7711	374
TENNESSEE	63	522	8574	415	3	6773	347	525	8563	414
ALABAMA	64	343	7178	325	496	6499	285	839	6777	301
MISSISSIPPI	65	666	7507	344	101	7394	332	767	7492	343
ARKANSAS	71	130	7327	331	61	5869	275	191	6861	313
LOUISIANA	72	383	7453	355	5	8080	379	388	7461	355
OKLAHOMA	73	340	7497	354	16	8638	366	356	7548	354
TEXAS	74	485	8621	400	118	7945	356	603	8489	392
MONTANA	81	113	9379	475	11	8052	366	124	9261	466
IDAHO	82	797	9226	442	142	9363	435	939	9247	441
WYOMING	83	10	8739	433	4	7945	336	14	8512	405
COLORADO	84	213	9022	435	47	8598	397	260	8946	428
NEW MEXICO	85	392	9449	449	23	10321	492	415	9497	451
ARIZONA	86	214	9880	466	117	10245	463	331	10009	465
UTAH	87	345	8250	395	204	8427	385	549	8316	391
NEVADA	88	2	5400	247	1	9800	407	3	6867	300
WASHINGTON	91	2019	9359	461	1151	9261	438	3170	9324	453
OREGON	92	1464	8944	442	1172	8615	405	2636	8798	425
CALIFORNIA	93	988	9618	469	117	8399	398	1105	9489	461
HAWAII	95									
ALASKA	96									
U.S. AVERAGE		68377	8561	413	27806	7933	370	96183	8379	400

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

HOLSTEIN

1959 CALVING YEAR

STATE	CODE	REGISTERED		NON-REGISTERED		ALL	
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11	2541	12961	493	3868	11408	431
NEW HAMPSHIRE	12	2328	12675	484	1021	11251	428
VERMONT	13	3976	12905	482	4791	10915	400
MASSACHUSETTS	14	4002	12867	485	3758	11331	421
RHODE ISLAND	15	513	12259	458	147	11476	421
CONNECTICUT	16	3123	13475	503	3553	11476	422
NEW YORK	21	40708	12760	463	20500	11312	405
NEW JERSEY	22	4282	12891	481	2822	11459	418
PENNSYLVANIA	23	44490	12032	450	35967	11092	412
OHIO	31	9323	12472	449	6774	11730	421
INDIANA	32	3154	13124	484	754	12445	463
ILLINOIS	33	9844	12717	474	10086	11624	430
MICHIGAN	34	12108	12800	462	19329	11677	424
WISCONSIN	35	9539	12447	453	14906	12248	442
MINNESOTA	41	8283	12980	470	24883	12144	432
IOWA	42	6644	12916	469	11563	11605	419
MISSOURI	43	1769	12440	458	2101	11516	431
NORTH DAKOTA	45	553	12236	446	1527	11037	400
SOUTH DAKOTA	46	470	12964	458	636	11808	403
NEBRASKA	47	1117	13067	481	722	11686	417
KANSAS	48	2862	12279	455	3572	11440	425
DELAWARE	50	723	12530	458	813	10013	368
MARYLAND	51	6829	12169	453	6457	10571	393
VIRGINIA	52	5681	12852	473	12569	11254	418
WEST VIRGINIA	54	1126	11403	411	777	10350	378
NORTH CAROLINA	55	3263	11483	414	7048	10031	366
SOUTH CAROLINA	56	657	10907	384	1746	9151	330
GEORGIA	57	976	11765	423	1312	9973	364
FLORIDA	58	422	11280	397	254	10418	374
KENTUCKY	61	1443	11704	425	1551	11018	399
TENNESSEE	63	2	11445	405	2	10175	394
ALABAMA	64	239	10676	377	3188	9081	322
MISSISSIPPI	65	96	10876	386	290	10018	359
ARKANSAS	71	124	9342	328	342	9049	329
LOUISIANA	72	51	11341	411	21	11010	392
OKLAHOMA	73	436	12814	465	411	11517	421
TEXAS	74	773	12570	453	2527	11368	407
MONTANA	81	261	13524	476	624	12149	435
IDAHO	82	1453	13915	501	1652	13025	479
WYOMING	83	152	13837	473	108	12072	415
COLORADO	84	954	12898	458	240	12822	464
NEW MEXICO	85	59	13196	484	71	13450	501
ARIZONA	86	403	13163	460	1555	12662	455
UTAH	87	1799	13495	490	5062	12795	460
NEVADA	88	9	14701	503	47	13151	454
WASHINGTON	91	2760	14242	507	5462	13158	487
OREGON	92	712	13780	496	3442	12187	449
CALIFORNIA	93	841	15898	576	532	15239	557
HAWAII	95	32	11075	373	3	11970	405
ALASKA	96	10	14464	516	1	12950	512
U.S. AVERAGE		204120	12585	462	231387	11497	419
						435507	12007
							439

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

JERSEY

1959 CALVING YEAR

STATE	CODE	REGISTERED			NON-REGISTERED			ALL		
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11	1008	8435	440	600	7885	401	1608	8230	426
NEW HAMPSHIRE	12	530	8416	450	185	8487	430	715	8435	445
VERMONT	13	3016	8397	447	2133	7760	395	5149	8133	425
MASSACHUSETTS	14	1067	8340	440	318	7660	387	1385	8184	428
RHODE ISLAND	15	118	8134	419	18	7054	360	136	7991	411
CONNECTICUT	16	666	8669	456	262	7076	359	928	8219	428
NEW YORK	21	3312	7830	410	793	7632	387	4105	7792	406
NEW JERSEY	22	399	8885	476	73	8477	431	472	8822	469
PENNSYLVANIA	23	2056	7474	393	1604	7369	377	3660	7428	386
OHIO	31	3428	7634	395	598	7829	401	4026	7663	396
INDIANA	32	932	7920	407	40	8509	413	972	7945	408
ILLINOIS	33	1247	7829	404	172	7697	396	1419	7813	403
MICHIGAN	34	1567	7608	400	915	7731	395	2482	7653	398
WISCONSIN	35	1157	7984	424	490	7632	398	1647	7879	416
MINNESOTA	41	965	7873	415	502	7522	387	1467	7753	405
IOWA	42	1088	7737	410	427	7500	384	1515	7671	402
MISSOURI	43	862	8011	427	273	8261	408	1135	8071	422
NORTH DAKOTA	45	8	6539	351	13	6781	360	21	6689	356
SOUTH DAKOTA	46	24	7938	459				24	7938	459
NEBRASKA	47	110	8027	430	8	8140	413	118	8035	429
KANSAS	48	576	7618	405	77	7159	367	653	7564	401
DELAWARE	50	67	7581	394	54	7662	404	121	7617	399
MARYLAND	51	862	7152	375	146	7192	359	1008	7158	373
VIRGINIA	52	861	8057	418	275	7624	391	1136	7952	412
WEST VIRGINIA	54	373	7096	362	72	7081	362	445	7093	362
NORTH CAROLINA	55	1264	7147	362	526	6685	317	1790	7011	349
SOUTH CAROLINA	56	304	7360	378	111	7188	351	415	7314	371
GEORGIA	57	799	7289	370	286	7149	334	1085	7252	360
FLORIDA	58	1073	7834	393	420	8081	395	1493	7904	394
KENTUCKY	61	863	7405	381	180	7291	362	1043	7385	378
TENNESSEE	63	738	7341	374	5	7228	325	743	7340	374
ALABAMA	64	1147	6773	340	1376	6062	277	2523	6385	305
MISSISSIPPI	65	546	6809	343	365	6427	305	911	6656	328
ARKANSAS	71	206	5869	297	113	5277	260	319	5659	284
LOUISIANA	72	206	6495	327	18	6747	335	224	6515	327
OKLAHOMA	73	341	7097	372	46	7564	399	387	7152	375
TEXAS	74	1844	7585	390	414	7320	348	2258	7536	383
MONTANA	81	105	7454	411	32	7986	428	137	7578	415
IDAHO	82	909	8223	435	242	8389	427	1151	8258	433
WYOMING	83									
COLORADO	84	194	7412	401	7	6921	361	201	7395	399
NEW MEXICO	85	139	7580	394	11	7945	417	150	7607	395
ARIZONA	86	49	8219	418	4	9648	355	53	8327	413
UTAH	87	449	7762	404	449	8075	403	898	7918	404
NEVADA	88	99	9652	525	1	11100	480	100	9666	525
WASHINGTON	91	1905	8797	478	899	8630	451	2804	8743	470
OREGON	92	2433	8681	471	1680	8619	442	4113	8656	459
CALIFORNIA	93	379	9260	492	85	11152	562	464	9607	505
HAWAII	95									
ALASKA	96									
U.S. AVERAGE		42291	7866	412	17318	7628	384	59609	7797	404

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

BROWN SWISS

1959 CALVING YEAR

STATE	CODE	REGISTERED		NON-REGISTERED			ALL	
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT	NO. RECS.
MAINE	11	26	11392	467	8	10908	457	34
NEW HAMPSHIRE	12	28	10223	403	10	8617	356	38
VERMONT	13	197	11092	465	91	10895	454	288
MASSACHUSETTS	14	298	10471	442	51	9726	399	349
RHODE ISLAND	15	3	9100	355	1	8070	329	4
CONNECTICUT	16	258	12158	522	58	9682	393	316
NEW YORK	21	1413	10962	454	194	10046	412	1607
NEW JERSEY	22	321	11042	464	21	9667	385	342
PENNSYLVANIA	23	423	10421	430	209	9286	383	632
OHIO	31	1305	10993	457	183	11065	456	1488
INDIANA	32	352	11547	476	5	9698	392	357
ILLINOIS	33	1382	11210	463	235	10012	415	1617
MICHIGAN	34	750	10981	439	154	10906	436	904
WISCONSIN	35	1633	11003	448	244	10655	429	1877
MINNESOTA	41	801	11082	447	429	10104	399	1230
IOWA	42	1625	10741	438	556	10174	413	2181
MISSOURI	43	204	10276	414	41	10303	436	245
NORTH DAKOTA	45	199	10194	423	30	10739	435	229
SOUTH DAKOTA	46	88	12125	517	42	10446	401	130
NEBRASKA	47	168	10397	430	23	10000	406	191
KANSAS	48	305	10016	427	78	7664	326	383
DELAWARE	50	11	12348	508	4	9568	371	15
MARYLAND	51	281	10349	435	44	10292	433	325
VIRGINIA	52	127	10549	446	24	10661	448	151
WEST VIRGINIA	54	27	7640	306	1	7720	311	28
NORTH CAROLINA	55	62	8589	356	58	9471	400	120
SOUTH CAROLINA	56	77	10460	417	147	10011	391	224
GEORGIA	57	58	10150	401	43	9103	394	101
FLORIDA	58	16	11044	445	10	10843	474	26
KENTUCKY	61	91	9937	401	34	8944	367	125
TENNESSEE	63							
ALABAMA	64	16	7977	295	58	8414	331	74
MISSISSIPPI	65	1	10980	452				1
ARKANSAS	71	5	12132	500	5	8710	356	10
LOUISIANA	72							
OKLAHOMA	73	71	8699	346	3	10697	427	74
TEXAS	74	117	10691	417	7	11430	458	124
MONTANA	81	67	11762	478	2	9830	397	69
IDAHO	82	75	10018	418	13	11418	493	88
WYOMING	83	8	11725	529	1	7690	284	9
COLORADO	84	172	11344	461	13	10640	445	185
NEW MEXICO	85							
ARIZONA	86	23	12953	506	19	11656	452	42
UTAH	87	7	9943	389	18	11297	460	25
NEVADA	88				1	9630	361	1
WASHINGTON	91	174	11792	487	27	12464	522	201
OREGON	92	149	10877	451	28	10711	446	177
CALIFORNIA	93	45	12820	531				45
HAWAII	95							
ALASKA	96							
U.S. AVERAGE		13459	10907	449	3223	10127	412	16682

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

MILKING SHORTHORN

STATE	CODE	1959 CALVING YEAR					
		REGISTERED			NON-REGISTERED		
		NO. RECS.	MILK	FAT	NO. RECS.	MILK	FAT
MAINE	11	80	8304	327	28	8412	333
NEW HAMPSHIRE	12	21	8295	327	6	7630	287
VERMONT	13	31	9838	369	2	10065	461
MASSACHUSETTS	14	42	7221	275	10	9133	383
RHODE ISLAND	15						
CONNECTICUT	16				3	10207	414
NEW YORK	21	71	7900	300	14	8912	336
NEW JERSEY	22						
PENNSYLVANIA	23	18	9568	372	10	8141	309
OHIO	31	133	8767	326	3	10193	439
INDIANA	32	51	8433	326			
ILLINOIS	33	201	8279	315	18	8214	320
MICHIGAN	34	109	8457	311	17	9174	351
WISCONSIN	35	323	8990	346	16	7923	316
MINNESOTA	41	217	8377	317	21	9246	361
IOWA	42	338	8198	314	32	8475	327
MISSOURI	43	117	9535	379	7	9871	378
NORTH DAKOTA	45	53	8645	325	23	8316	318
SOUTH DAKOTA	46				1	11760	421
NEBRASKA	47	68	7817	304	3	12047	487
KANSAS	48	194	7701	312	14	7279	283
DELAWARE	50				7	8544	335
MARYLAND	51	59	7770	309	2	5875	243
VIRGINIA	52	25	7611	302	12	10303	397
WEST VIRGINIA	54				1	9850	464
NORTH CAROLINA	55	1	10610	462			
SOUTH CAROLINA	56				2	8750	362
GEORGIA	57				1	9280	381
FLORIDA	58						
KENTUCKY	61	3	9647	386	1	8950	327
TENNESSEE	63						
ALABAMA	64				12	7755	313
MISSISSIPPI	65				6	7337	318
ARKANSAS	71	31	7413	295	12	7636	352
LOUISIANA	72						
OKLAHOMA	73	53	8415	320			
TEXAS	74	22	7424	271	6	8107	348
MONTANA	81	36	7981	310	2	9330	379
IDAHO	82	67	9430	353	4	12035	500
WYOMING	83						
COLORADO	84	33	9243	336	2	15645	503
NEW MEXICO	85						
ARIZONA	86						
UTAH	87				3	10703	452
NEVADA	88						
WASHINGTON	91	43	9375	352	60	9826	415
OREGON	92	99	9235	343	20	10624	452
CALIFORNIA	93						
HAWAII	95						
ALASKA	96						
U.S. AVERAGE		2539	8477	325	381	8968	360
					2920	8541	330

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

RED OANE

STATE	CODE	1959 CALVING YEAR						ALL		
		REGISTERED			NON-REGISTERED			NO.RECS.		
		NO.RECS.	MILK	FAT	NO.RECS.	MILK	FAT	NO.RECS.	MILK	FAT
MAINE	11									
NEW HAMPSHIRE	12									
VERMONT	13				5	8984	402	5	8984	402
MASSACHUSETTS	14									
RHODE ISLAND	15									
CONNECTICUT	16									
NEW YORK	21									
NEW JERSEY	22									
PENNSYLVANIA	23									
OHIO	31									
INDIANA	32									
ILLINOIS	33									
MICHIGAN	34				87	9147	359	87	9147	359
WISCONSIN	35									
MINNESOTA	41				2	10395	437	2	10395	437
IOWA	42									
MISSOURI	43				1	3960	147	1	3960	147
NORTH DAKOTA	45									
SOUTH DAKOTA	46									
NEBRASKA	47									
KANSAS	48									
DELAWARE	50									
MARYLAND	51									
VIRGINIA	52				1	8750	438	1	8750	438
WEST VIRGINIA	54									
NORTH CAROLINA	55									
SOUTH CAROLINA	56									
GEORGIA	57									
FLORIDA	58									
KENTUCKY	61									
TENNESSEE	63									
ALABAMA	64				12	7998	320	12	7998	320
MISSISSIPPI	65									
ARKANSAS	71									
LOUISIANA	72									
OKLAHOMA	73									
TEXAS	74									
MONTANA	81									
IDAHO	82									
WYOMING	83									
COLORADO	84									
NEW MEXICO	85									
ARIZONA	86									
UTAH	87									
NEVADA	88									
WASHINGTON	91									
OREGON	92				3	10220	423	3	10220	423
CALIFORNIA	93									
HAWAII	95									
ALASKA	96				6	13303	520	6	13303	520
U.S. AVERAGE					117	9236	367	117	9236	367

305-DAY STANDARDIZED LACTATION AVERAGES BY BREED, BY CALVING YEAR, BY STATE-1959

REG POLL

STATE	CODE	1959 CALVING YEAR					
		REGISTERED		NON-REGISTERED		ALL	
		NO.RECS.	MILK	FAT	NO.RECS.	MILK	FAT
MAINE	11						
NEW HAMPSHIRE	12						
VERMONT	13						
MASSACHUSETTS	14						
RHODE ISLAND	15						
CONNECTICUT	16				1	7930	374
NEW YORK	21						
NEW JERSEY	22						
PENNSYLVANIA	23				2	11010	402
OHIO	31	22	9572	379	3	9290	403
INDIANA	32						
ILLINOIS	33	12	7987	337	4	9355	378
MICHIGAN	34				3	10563	368
WISCONSIN	35				3	7300	293
MINNESOTA	41	8	7745	300	4	9080	314
IOWA	42	28	6988	293	4	8333	337
MISSOURI	43						
NORTH DAKOTA	45	11	6900	304			
SOUTH DAKOTA	46	6	4613	197	3	6293	231
NEBRASKA	47						
KANSAS	48						
DELAWARE	50						
MARYLAND	51						
VIRGINIA	52						
WEST VIRGINIA	54						
NORTH CAROLINA	55						
SOUTH CAROLINA	56						
GEORGIA	57						
FLORIDA	58						
KENTUCKY	61						
TENNESSEE	63						
ALABAMA	64						
MISSISSIPPI	65						
ARKANSAS	71						
LOUISIANA	72						
OKLAHOMA	73						
TEXAS	74				1	8630	305
MONTANA	81						
IDAHO	82						
WYOMING	83						
COLORADO	84						
NEW MEXICO	85						
ARIZONA	86						
UTAH	87						
NEVADA	88						
WASHINGTON	91						
OREGON	92						
CALIFORNIA	93						
HAWAII	95						
ALASKA	96						
U.S. AVERAGE		87	7674	316	28	8785	339
						115	7945
							322

305-DAY STANDARDIZED LACTATION AVERAGES BY STATE, BY CALVING YEAR, BY BREED, BY CALVING MONTH - 1959

UNITED STATES

1959 CALVING YEAR

CALVING MONTH	AYRSHIRE			GUERNSEY		
	REGISTERED NUMBER MILK FAT	NON-REGISTERED NUMBER MILK FAT	ALL NUMBER MILK FAT	REGISTERED NUMBER MILK FAT	NON-REGISTERED NUMBER MILK FAT	ALL NUMBER MILK FAT
JANUARY	1184 9996 404	197 8928 357	1381 9844 397	6309 9021 432	2202 8321 384	8511 8840 419
FEBRUARY	1040 9864 399	162 9109 361	1202 9763 394	5523 8910 425	1918 8216 378	7441 8731 413
MARCH	1183 9803 394	224 8985 359	1407 9673 388	5874 8847 421	2072 8167 376	7946 8669 409
APRIL	879 9726 393	150 8457 339	1029 9541 385	4785 8696 416	1716 8093 372	6501 8537 404
MAY	718 9354 378	124 8510 338	842 9230 372	4052 8548 409	1458 7905 363	5510 8377 397
JUNE	712 9150 368	164 8367 338	876 9003 362	4107 8254 396	1544 7570 352	5651 8067 384
JULY	1118 8720 354	170 8193 329	1288 8650 351	5415 8023 389	1973 7479 349	7388 7878 379
AUGUST	1468 8662 354	282 8103 326	1750 8572 349	6327 7868 384	2778 7431 351	9105 7735 374
SEPTEMBER	1708 9114 373	343 8555 351	2051 9021 369	6665 8028 393	3245 7687 366	9910 7917 384
OCTOBER	1454 9570 393	280 8930 360	1734 9467 387	6382 8534 417	3141 8042 382	9523 8372 405
NOVEMBER	1243 9843 403	241 8725 354	1484 9662 395	6401 8959 433	2972 8111 381	9373 8690 417
DECEMBER	1180 9976 406	205 8804 352	1385 9803 398	6537 8961 431	2787 8170 378	9324 8724 415
YEAR AV.	13887 9464 385	2542 8640 348	16429 9336 379	68377 8561 413	27806 7933 370	96183 8379 400

CALVING MONTH	HOLSTEIN			JERSEY		
	REGISTERED NUMBER MILK FAT	NON-REGISTERED NUMBER MILK FAT	ALL NUMBER MILK FAT	REGISTERED NUMBER MILK FAT	NON-REGISTERED NUMBER MILK FAT	ALL NUMBER MILK FAT
JANUARY	18194 13040 475	15899 11780 427	34093 12453 453	4205 8405 437	1273 8099 404	5478 8334 429
FEBRUARY	14861 12942 472	14119 11678 422	28980 12326 448	3811 8374 436	1130 8085 402	4941 8308 428
MARCH	15217 12799 467	15052 11584 420	30269 12195 444	3814 8396 438	1306 8096 402	5120 8319 429
APRIL	11290 12680 463	11713 11545 419	23003 12102 440	2878 8224 429	936 7843 390	3814 8131 419
MAY	9218 12527 457	10125 11348 412	19343 11910 434	2458 7924 414	763 7516 373	3221 7827 404
JUNE	10527 12191 446	11818 11237 410	22345 11686 427	2303 7690 401	867 7328 364	3170 7591 391
JULY	15882 12060 444	17363 11035 403	33245 11525 423	3042 7142 372	1243 7178 361	4285 7153 369
AUGUST	22983 11994 442	26437 11009 403	49420 11467 421	3889 7056 369	1941 7148 364	5830 7086 367
SEPTEMBER	24869 12222 451	30677 11283 414	55546 11703 430	4217 7197 382	2161 7391 379	6378 7263 381
OCTOBER	23121 12733 471	29398 11735 430	52519 12174 448	4036 7622 404	2027 7601 388	6063 7615 398
NOVEMBER	20453 12964 479	25491 11821 431	45944 12330 452	3741 7958 421	1860 7634 385	5601 7850 409
DECEMBER	17505 12955 476	23295 11835 429	40800 12315 449	3897 8333 437	1811 7882 394	5708 8190 423
YEAR AV.	204120 12585 462	231387 11497 419	435507 12007 439	42291 7866 412	17318 7628 384	59609 7797 404

CALVING MONTH	BROWN SWISS			M. SHORTHORN		
	REGISTERED NUMBER MILK FAT	NON-REGISTERED NUMBER MILK FAT	ALL NUMBER MILK FAT	REGISTERED NUMBER MILK FAT	NON-REGISTERED NUMBER MILK FAT	ALL NUMBER MILK FAT
JANUARY	1235 11447 466	235 10623 427	1470 11315 460	275 8954 338	44 8439 331	319 8883 337
FEBRUARY	1042 11190 455	229 10358 417	1271 11040 448	206 8664 326	21 9105 369	227 8705 330
MARCH	1213 11150 452	242 10450 421	1455 11033 447	219 8958 338	31 9045 360	250 8969 341
APRIL	961 11191 456	200 10072 401	1161 10998 446	166 8802 333	21 9034 362	187 8828 337
MAY	812 10981 448	176 10117 404	988 10827 440	138 8729 332	30 9242 364	168 8820 338
JUNE	797 10546 433	149 9686 393	946 10411 427	108 8310 317	25 9854 386	133 8600 330
JULY	1082 10267 425	231 9591 393	1313 10148 419	178 8371 323	20 9850 398	198 8521 330
AUGUST	1266 10261 426	314 9787 407	1580 10167 422	250 8025 310	42 8730 363	292 8127 317
SEPTEMBER	1355 10484 438	373 9611 398	1728 10296 430	250 7975 310	27 8590 345	277 6034 313
OCTOBER	1241 10915 456	377 10384 425	1618 10791 449	248 8269 322	37 8681 351	285 8323 325
NOVEMBER	1212 11213 464	364 10274 419	1576 10996 454	247 8223 322	41 9004 375	288 8334 330
DECEMBER	1243 11223 460	333 10438 420	1576 11057 452	254 8577 330	42 8915 352	296 8625 333
YEAR AV.	13459 10907 449	3223 10127 412	16682 10756 442	2539 8477 325	381 8968 360	2920 8541 330

CALVING MONTH	RED DANE			RED POLL		
	REGISTERED NUMBER MILK FAT	NON-REGISTERED NUMBER MILK FAT	ALL NUMBER MILK FAT	REGISTERED NUMBER MILK FAT	NON-REGISTERED NUMBER MILK FAT	ALL NUMBER MILK FAT
JANUARY	7 9520 373	7 9520 373	14 9520 373	11 7074 282	3 7523 263	14 7170 278
FEBRUARY	2 9505 359	2 9505 359	4 9505 359	5 9488 382	3 8217 347	8 9011 369
MARCH	6 9322 386	6 9322 386	12 9322 386	4 9003 390	2 10170 447	6 9392 409
APRIL	10 9726 386	10 9726 386	20 9726 386	7 8371 331	2 6895 293	9 8043 323
MAY	3 10587 420	3 10587 420	6 10587 420	2 7560 294	1 10520 392	3 8547 326
JUNE	3 9507 368	3 9507 368	6 9507 368	4 7060 311	2 9155 361	6 7758 328
JULY	9 10279 425	9 10279 425	18 10279 425	8 8881 349	2 9020 321	10 8909 344
AUGUST	16 8244 327	16 8244 327	32 8244 327	2 4880 243		2 4880 243
SEPTEMBER	18 9700 376	18 9700 376	36 9700 376	15 7926 329		15 7926 329
OCTOBER	14 8663 355	14 8663 355	28 8663 355	8 7114 293	3 8637 302	11 7529 295
NOVEMBER	18 9014 361	18 9014 361	36 9014 361	10 6833 283	6 9243 338	16 7737 303
DECEMBER	11 8995 346	11 8995 346	22 8995 346	11 7225 309	4 9100 369	15 7725 325
YEAR AV.	117 9236 367	117 9236 367	234 9236 367	87 7674 316	28 8785 339	115 7945 322



Growth Through Agricultural Progress